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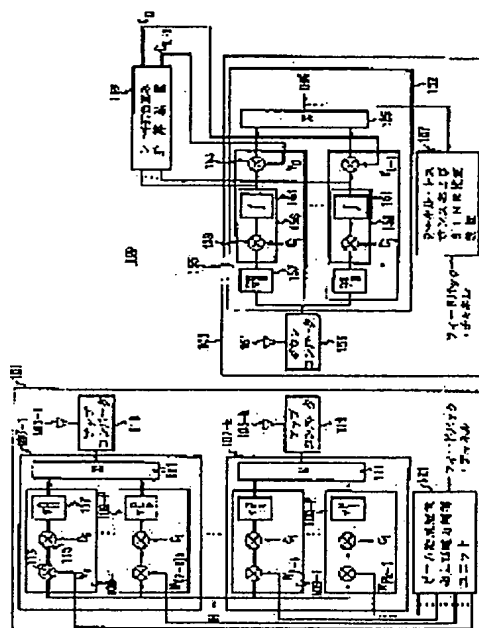
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## (54) SPACE-TIME DIVERSITY FOR RADIO SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a space-time diversity for increasing the capacity of a radio system by constituting the diversity of a stage for deciding an operation parameter which a base station uses for almost simultaneously controlling respective transmission beam patterns, or the like.

SOLUTION: A radio transmitter for user 101, which is used in a base station, and a radio receiver 103 used in a radio terminal are contained. The radio transmitter 101 includes antennas 105 including an antenna 105-1 to 105-K. The respective antennas 105 receive the supply of signals from respective associated transmission modules 107. The respective transmission modules 107 contain P-pieces of diversity modules 109, a coupling device 111 and an up converter 119. Then, an operation parameter which the base station uses is decided for simultaneously controlling respective transmission beam patterns formed for establishing a radio channel between the base station and the respective radio terminals as the function of received channel information.



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